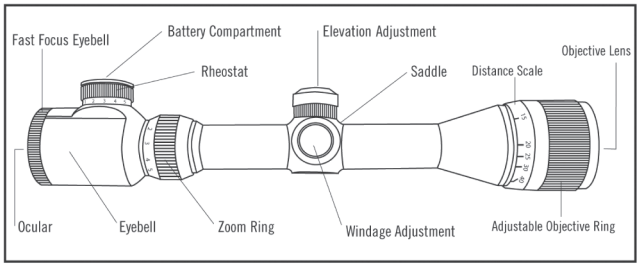
BARSKA®

RIFLESCOPE MANUAL



* Models May Vary

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BC141

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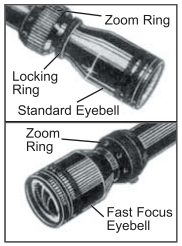
FOCUSING



1. Hold the scope about 2 to 3 inches (6 to 10cm) away from your eye and look through the eye bell against a flat and clear background such as the sky or a white wall.

ATTENTION: VIEWING THE SUN CAN CAUSE SERIOUS EYE INJURY

2. If your reticle isn't sharp, loose the eye bell locking ring and turn the eyepiece in either direction a few turns. If the focus has not improved turn into the other direction until the reticle appears in sharp focus and then tighten the locking ring.
3. If your model is equipped with a fast focus eye bell (there is no lock ring) you will only need to turn the eye bell in or out of adjustment.

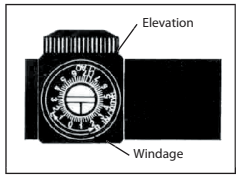
MOUNTING

ATTENTION: Make sure the gun is not loaded and use safe gun handling procedures at all times.

1. Make sure you have the appropriate ring mounts for your rifle, if not your firearms dealer will assist you.
2. Separate the two ring mounts and set the scope into the cradles of the lower ring mount and turn the screws just enough to hold them together. Push the scope forward as much as possible whilst ensuring at the same time that the elevation turret is on top.
3. Shoulder or bench rest the rifle and pull the scope back forward until you see the full field of view. Adjust the altitude of the reticle and align the vertical and horizontal components with the bore axis.
4. Once you have positioned the scope and aligned the reticle with the bore axis, tighten the ring tops.

ATTENTION: Do not over-tighten as this could damage the scope affecting the performance or even make it useless. You should ensure that on both sides of the rings there is always a slight gap of the same diameter.

PRE ZEROING



ATTENTION: Make sure the gun is not loaded and use safe gun handling procedures at all times.

1. The pre-zeroing sighting can be done with scope guide or a shot shaver which can be obtained from your firearms dealer.
2. If your scope is fitted with a parallax adjustment, rotate the parallax ring to the 50 yards (46m) position and set the zoom to mid power.
3. Rest the rifle on a steady support and remove the windage and elevation cap. Look through the bore from the breech at a 50 yards (46m) target and move the butt stock to centre the target in the bore.
4. For actions other than bolt you will need a small mirror that you position in the ejection port and tilted so you can see through the bore.
5. Without moving the rifle adjust the windage and elevation screws to centre the reticle on the target. To raise the point of impact, turn the elevation screws anti clockwise. To shift left turn windage screw clockwise.
6. If large amount of windage and elevation adjustments are needed to bore sight, make about ½ of the required elevation change, then about ½ of the windage. To finish apply the balance of elevation correction and the windage.

NOTE: If you have windage adjustable rings, use them to adjust the windage and make the final adjustments with the scope's built in system.

NOTE FOR AIRGUN SCOPES: Remove the protective caps and rotate the finger adjustable windage and elevation drums to centre the reticle.

ZEROING

ATTENTION: All shooting should be done in an approved range and in a safe area and that eye and ear protection is used

DANGER: If you used a bore sighting collimator or another bore obstructing device, remove it before proceeding. If the barrel has been drilled for a mount, ensure that the screws do not obstruct the bore. Do not fire live or even blank ammunition with an obstructed barrel as any obstruction can cause serious damage to the gun and the possible injury to yourself and other people around you.

1. Set zoom models to the highest power, parallax correctable models to 100 yard (914 meters) and observe the bullets strike the target. Adjust windage and elevation screws as needed to correct the aim.

NOTE: Each click adjustment changes bullet strikes by the amount shown on the chart below.

WINDAGE / ELEVATION (inches per click or movement)			
50yds	100yds	200yds	300yds
1/8 inch	1/4 inch	1/2 inch	3/4 inch

2. After zeroing in your gun, replace the windage and elevation caps.

NOTE FOR AIRGUN OR TARGET SCOPES:

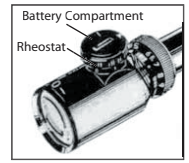
1. After zeroing you may use the appropriate tool to remove the windage and elevation drums and then reposition them so that zero ("0") lines with the indicator line on the spindle. For further windage adjustments count the clicks from the zero point on the windage and elevation drums.
2. For target scopes you may adjust the windage and elevation settings until the bullets strikes the centre of the target.

WINDAGE / ELEVATION (inches per click or movement)			
50yds	100yds	200yds	300yds
1/16 inch	1/8 inch	1/4 inch	3/8 inch

3. For future reference you should make a chart of the correct windage and elevation settings for each load and the range you shoot.

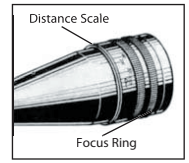
NOTE: Climatic conditions such as rain and wind as well as altitude can affect the trajectory and you might find it useful note some sight deviations in the settings from one shooting session to the next.

SCOPES WITH ELECTRONIC RETICLES



If your scope has an electronic reticle there are degrees of illumination. The rheostat is located at the top of the eye bell. The batteries are coins style batteries and when replacing them ensure the correct position with the "+ " side up.

PARALLAX



1. To be parallax free the, target image must be focused onto the reticle and this is achieved if the scope is adjusted at the targets range. Closer targets that are either closer or further away cause parallax which is perceived as an apparent movement of the reticle against the target.
2. Some small amount of parallax that can appear in general purpose hunting scopes and within the normal hunting range is insufficient to be of concern.
3. For target shooting, parallax is not acceptable and can be eliminated at all ranges by providing a user adjustable focusing system.

NOTE 1: Some models have a focusable objective lens mount for parallax correction at user selectable ranges. If your scope has this equipment, rotate the objective focusing ring to the desired distance setting

NOTE 2: Some models have the parallax adjustment located on the objective, others have it in front of the eye bell while others might have it in the saddle area.

MAINTENANCE

1. Your riflescope is shockproof and waterproof but you should not try to take it apart or clean it internally. If your scope requires repairs or adjustment you should bring it your firearms dealer or an authorised service centre. Please refer to the warranty section for further details.
2. The exposed optical surfaces should be wiped clean occasionally with the included lens cloth or with a special optical cleaning cloth. It is recommended to keep the protective lens cover on the scope when not being used.
3. The metal body of your scope can be cleaned by using a soft brush or a damp cloth followed by a soft cloth. To maintain the scope, you can use a silicon treated cloth to restore lustre and protect the scope against corrosion, however do not touch the lenses with the silicone cloth.

USING THE 30/30 RANGEFINDING RETICLE

1. The point to distance of the 30/30 reticle is equal to 30 inches at 100 yards (76cm at 100 meters) @ 4X magnification. The average size buck would fill this distance. If it fills only half the distance, it is 200 yards (183meters) away. If it fills one third the distance, it is 300 yards (274 meters) away.
2. The chart shows the point to point and point to crosshair distance at various powers.

POWER	POINT TO CROSS HAIR (YARDS / METERS)	POINT TO POINT (YARDS / METERS)
3	150 / 137	75 / 68
4	200 / 183	100 / 91
5	250 / 228	125 / 114
6	300 / 274	150 / 137
7	350 / 320	175 / 160
8	400 / 365	200 / 183
9	450 / 411	225 / 205
10	500 / 457	250 / 228
11	550 / 503	275 / 251
12	600 / 549	300 / 274

BARSKA®

LIMITED LIFETIME WARRANTY

RIFLESCOPES

BARSKA® Optics, as manufacturer, warrants this new precision optical product to be free of original defects in materials and/or workmanship for the length of time specified by this warranty. This warranty does not include damage caused by abuse, improper handling, installation, maintenance, normal wear-and-tear, unauthorized repairs or modifications and tampering in anyway.

This warranty is limited to the original purchaser and is not transferable. This warranty applies only to products purchased in the United States of America and Canada.

In the event of a defect within 30 days, the consumer must return the defective unit to the BARSKA® dealer (the place of purchase) at his/her own expense.

Beyond 30 days, BARSKA® products should be sent to the following address for warranty repairs. Products must be packed carefully and sturdily to prevent damage in transit, and returned freight prepaid to:

BARSKA® OPTICS
1721 WRIGHT AVE.
LA VERNE, CA 91750

For additional and updated information
please visit our website at www.barska.com

Please email info@barska.com or call 1-888-666-6769 for Return Merchandise Number (RMA#) before any returns.
NOTE: All merchandise received without a valid RMA # will be returned to shipper at his/her own expense.

Please include all of the following when returning BARSKA® products for service and/or replacement:
1. Please write your complete details (Name, Address, Telephone#, E-mail address, RMA#, etc.)
2. Purchase receipt or Proof of Purchase. (Original/Copy)
3. A brief explanation of the defect.
4. A Check/Money Order of $25.00 to cover inspection, shipping and handling.
*Please allow 6-8 weeks for delivery.

This product will either be replaced or repaired at the discretion of the warrantor. If it's a discontinued item, we will replace the product with an equivalent product. Should the repair not be covered by this warranty, an estimate will be sent for your approval. Non-warranty repairs or refurbishing of your optical products are always provided at a reasonable cost.

BARSKA® Optics shall not be liable for any consequential, incidental and/or contingent damages whatsoever. This warranty supersedes all previous BARSKA® Optics warranties.

BC127 2/09

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